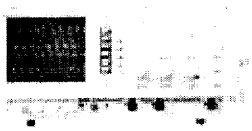
OS-5100RB : 100MHz, 2Ch, 4 trace, Delay sweep function



- DC to 100MHz bandwidth, 2 channels, 4 trace
- 6" rectangular CRT with internal graticule
- HF / LF reject trigger filter
- Auto set function
- Frequency counter function (only on auto set)
- Readout cursor function
- 5ns / div. fast sweep rate
- Ch 1 output
- Delay sweep function
- Hold-off function
- Dual time base

CRT

- Configuration and useful screen :
  6 inch rectangular screen with internal graticule,
  8X10div.(1div = 1cm) marking for measurement of rise time,
  2mm subdivisions along the central axis.
- Acceleration potential : +11.5kv approx.(ref. Cathode)
- Phosphor : P31
- Focusing : provided with auto focus correction circuit
- Trace rotation : provided
- Intensity control : provided
- Scale illumination : provided

Z-AXIS INPUT(INTENSITY MODULATION)

- Input signal : positive going signal decreases +5Vp-p or more signal cases intensity noticeable modulation at normal intensity setting
- Bandwidth : DC to 2MHz(-3dB)
- Coupling : DC
- Input impedance : 20~30k§Ù typical
- Maximum input voltage : 30V(DC + peak AC)

VERTICAL DEFLECTION

- DC coupled(-3dB) : DC to 100MHz normal / DC to 50MHz with 2mV/div.
- AC coupled(-3dB) : 10Hz to 100MHz normal / 10Hz to 50MHz with 2mV/div.
- Modes : CH1, CH2, DUAL, ADD, CHOP, ALT, CH2 INV
- Deflection factor (normal) : 2mV/div. to 5V/div. in 11 calibrated steps of 1-2-5 sequence (Ch3, Ch4 : 0.1V/div to 0.5V/div.) Continuously variable between steps at least 1:2.5 X 5.
- Accuracy : normal ¡¾3%
- Input impedance : approx. 1M§Ù in parallel with 25pF
- Maximum input voltage : direct 400V (DC + peak AC)
- Input coupling : AC, GND, DC
- Rise time : 3.5ns or less (7ns or less : 2mV/div.)
- CH1 output : 50mV/div. into 50§Ù / DC to 20MHz(-3dB)
- Polarity inversion : CH2 only

- Signal delay : delay cable installed

HORIZONTAL DEFLECTION

- Sweep mode : A, B, B triggered, X-Y, ALT
- Time base A : 50ns/div. to 0.5s/div. in 22 calibrated steps of 1-2-5 sequence uncalibrated continuous control between steps at least 1:2.5
- Hold-off time on time base A : variable with the hold-off control
- Time base B : 50ns/div. to 0.5s/div. in 22 calibrated steps of 1-2-5 sequence
- Delay sweep on time base B : 1div. or less to 10 div. or more
- Sweep magnification : 10 times (max. sweep rate : 5ns/div.)
- Accuracy : ¡¾3%, ¡¾5%(1:10 probe)

TRIGGER SYSTEM

- Modes : AUTO, NORM, TV-V, TV-H, Single
- Source : CH1, CH2, LINE, VERT
- Coupling : AC, DC, HF-R, LF-R
- Slope : + or -
- Sensitivity and frequency in AUTO, NORM DC - 10MHz : 0.5div. in INT / 0.15Vp-p in EXT / 1.5div. in VERT
- Sensitivity and frequency in AUTO, NORM 10MHz - 100MHz : 1.5div. in INT / 0.6Vp-p in EXT / 30.0div. in VERT
- Sensitivity and frequency in TV-V and TV-H : 1.0div. or more 0.1V(trigger part)
- External trigger input impedance : approx. 1M§Ù in parallel with 25pF
- Maximum input voltage : 400V (DC + AC peak)

X-Y OPERATION

- Sensitivity : same as vertical deflection for both X-axis(CH1) except accuracy ¡¾ 6% in X-axis from DC~2MHz(-3dB), Y-axis is same as CH2
- X-Y phase difference : 3¡Æ or less as DC to 100kHz

READOUT FUNCTION

- Cursor readout function : ¥ÄV, ¥ÄT, ¥Ä1/T
- Auto setup : available from 100Hz to 50MHz
- Frequency counter display : available only on auto setup mode
- Resolution : 1/100 div.

CALIBRATOR

- Probe adjustment : approx. 1kHz frequency, 0.5V(¡¾ 3%) square wave with 50% duty ratio

POWER SUPPLY

- Line voltage range : 90~250V with 250V 1.6A time lag type fuse
- Line frequency : 48~440Hz
- Power consumption : approx. 50W

⊡ PHYSICAL CHARACTERISTICS

- Weight : 8kg
- Dimension : 328mm(W) X 153mm(H) X 392mm(L)

⊡ OTHERS

- Accessories including : Operation manual, Spare fuse, Power cord
- Optional accessories (sold separately) : Probe

⊠ *Close*